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MAY 13 2002

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 99-123-D)

In Re Application of:)
)
 Yamamoto, et al.) Examiner: Unassigned
)
 Serial No. 10/017,178) Art Unit: 1645
)
 Filed: December 14, 2001)
)
 For: High Throughput Assay to Detect)
 Inhibitors of the MAP Kinase Pathway)

TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

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Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:

- ☒ Information Disclosure Statement;
☒ Form PTO-1449 including (53 cited references); and
☒ Return Postcard

2. No fee is due at this time.

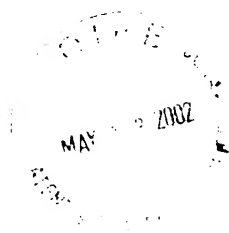
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4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** I hereby certify that I directed that this Transmittal Letter and the correspondence identified above be deposited with the United States Postal Service as "First Class Mail," addressed to the Commissioner for Patents, Washington, DC 20231 on May 9, 2002.

Respectfully submitted,



Andrew W. Williams
Registration No. 48,644



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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. §§1.97-1.98, and in accordance with the duty of candor set forth in 37 C.F.R. §1.56, Applicants wish to make the following references of record in the above-identified application. Copies of the references cited below are enclosed along with a copy of completed PTO Form-1449.

This application claims priority from U.S. Provisional Application No. 60/255,548 filed December 14, 2000, and is relied upon for an earlier filing date under 35 U.S.C. § 120.

CITED REFERENCES

I. U.S. PATENT DOCUMENTS

	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
1.	3,791,932	2 12 1974	Schuurs et al.
2.	3,839,153	10 1 1974	Schurrs et al.
3.	4,342,566	8 3 1982	Theofilopoulos et al.
4.	4,493,795	1 15 1985	Nestor, Jr. et al.
5.	4,671,958	6 9 1987	Rodwell et al.

II. OTHER DOCUMENTS

7. Alessi et al., "PD098059 is a specific inhibitor of the activation of mitogen-activated protein kinase kinase in vitro and in vivo," *J. Biol. Chem.* 270:27489-27494 (1995).
8. Alwine, et al., "Method for detection of specific RNAs in agarose gels by transfer to diazobenzyloxymethyl-paper and hybridization with DNA probes," (1977), *Proc. Natl. Acad. Sci. USA*, 74:5350-5354.
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29. Kohler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity," *Nature*, 256:495-497 (1975).
30. Marks et al., "By-Passing Immunization: Building High Affinity Human Antibodies by Chain Shuffling," *Bio Technology* 10:779-785 (1992).
31. Matrisian et al., "Stromelysin transin and tumor progression," *Semin. Cancer Biol.* 1:121-125 (1990).
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34. Meuillet et al., "Sialidase gene transfection enhances epidermal growth factor receptor activity in an epidermoid carcinoma cell line, A431," *Cancer Res.* 59:234-240 (1999).
35. Nerlov et al., "Essential AP-1 and PEA3 binding elements in the human urokinase enhancer display cell-type specific activity," *Oncogene* 6:1583-1592 (1991).
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37. Paulus et al., "Basement membrane invasion of glioma cells mediated by integrin receptors," *J. Neurosurgery* 80:515-519 (1994).
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39. Rebbaa et al., "Gene transfection-mediated overexpression of β 1,4GlcNAc bisecting oligosaccharides in glioma cell lines, U373MG inhibits EGF receptor function," *J. Biol. Chem.* 272:9275-9279 (1997).
40. Robinson et al., "ETS target genes: Identification of Egr1 as a target by RNA differential display and whole genome PCR techniques," *Proc. Natl. Acad. Sci. USA* 94:7170-7175 (1997).
41. Rodwell et al., "Linker Technology: Antibody-Mediated Delivery Systems," *Biotech.* 3:889-894 (1985).
42. Sastry et al., "Cloning of the immunological repertoire in *Escherichia coli* for generation of monoclonal catalytic antibodies: Construction of a heavy chain variable region-specific cDNA library," *PNAS USA* 86:5728-5732 (1989).
43. Staudt et al., "Generation Of Antibody Diversity In The Immune Response Of BALB c Mice To Influenza Virus Hemagglutinin," *J. Exp. Med.*, 157:687-704 (1983).
44. Uhm et al., "Mechanisms of glioma invasion: Role of matrix-metallproteinases," *Can. J. Neurol. Sci.* 24:1-15 (1997).
45. van Straaten et al., "Complete nucleotide sequence of a human c-onc gene: deduced amino acid sequence of the human c-fos protein," *Proc. Natl. Acad. Sci. USA* 80:3183-3187 (1983).
46. Wasylyk et al., "Reversion of Ras transformed cells by Ets transdominant mutants," *Oncogene* 9:3665-3672 (1994).

47. Wasylyk et al., "The c-ets proto-oncogenes encode transcriptional factors that cooperate with c-fos and c-jun for transcriptional activation," *Nature (London)* 346:191-193 (1990).
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50. Yamamoto et al., "Differential expression of membrane-type matrix metalloproteinase and its correlation with gelatinase A activation in human malignant brain tumors in vivo and in vitro," *Cancer Res.* 56:384-392 (1996).
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52. Yamamoto et al., " α 2,6-Sialylation of cell-surface N-glycans inhibits glioma formation in vivo," *Cancer Res.* 61:6822-6829 (2001).
53. Yamamoto et al., " β 1,6-GlcNAc-bearing N-glycans in human gliomas: Implications for a role in regulating invasivity," *Cancer Res.* 60:134-142 (2000).

III. DISCUSSION

Applicants submit that these documents, whether taken alone or in combination, fail to show or suggest the claimed subject matter. Applicants request that the Examiner consider the entirety of each document and make them of record in this application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that Applicants have fully complied with the guidelines for citation. This is requested so that each document becomes listed on the face of the patent issuing on the present application. Applicants' submission of these documents for consideration is not to be construed as an admission that the documents qualify as prior art to the claimed subject matter, a

representation that a search has been made, nor as an admission that the information is considered to be material to patentability.

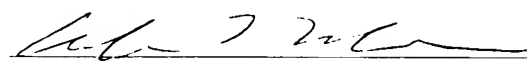
Portions of the references may be material to the examination of the pending claims, although no such admission is intended. 37 C.F.R. §1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references.

Respectfully Submitted,

McDonnell Boehnen Hulbert & Berghoff

Date: May 9, 2002

By:



Andrew W. Williams

Reg. No. 48,644

FORM PTO-1449
(Rev. 2-32)U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

99,123-D

10/017,178

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant:

Yamamoto, et al.

Filing Date:

12/14/2001

Group:

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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	3,791,932	2/12/1974	Schuurs et al.			
	2.	3,839,153	10/1/1974	Schurrs et al.			
	3.	4,342,566	8/3/1982	Theofilopoulos et al.			
	4.	4,493,795	1/15/1985	Nestor, Jr. et al.			
	5.	4,671,958	6/9/1987	Rodwell et al.			
	6.	4,900,811	2/13/1990	Sutcliffe			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

7.	Alessi et al., "PD098059 is a specific inhibitor of the activation of mitogen-activated protein kinase kinase in vitro and in vivo," J. Biol. Chem. 270:27489-27494 (1995).
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

11.	Berchtold, "A simple method for direct cloning and sequencing cDNA by the use of a single specific oligonucleotide and oligo(dT) in a polymerase chain reaction (PCR)," (1989), <i>Nuc. Acids Res.</i> , 17(1):453.
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